

## FLEX PANEL LID OR CAP

### ABSTRACT OF THE DISCLOSURE

There is provided a lid with a center panel, a rim portion, and a hinge portion for sealing a container. The rim portion is designed to fit around an opening of a container and includes an inner wall for engaging a surface of the container opening. The hinge portion connects the rim portion to the center panel and includes flex points to allow axial movement of the center panel and corresponding radial movement of the rim portion to alternate the lid between an unsealing position and a sealing position. The sealing position provides an improved seal between the inner wall of the rim portion of the lid and the container. The lid may be formed by a two shot mold process in which the hinge portion consists of a more compliant material than the center panel and rim portion. The lid may also include a flexible barrier membrane for enhanced sealing of the container.

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